

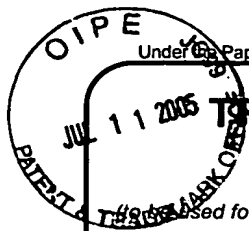
7-12-05

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(Use this form for all correspondence after initial filing)

Application Number		10/801,937
Filing Date		March 16, 2004
First Named Inventor		Andrew Longacre, Jr.
Group Art Unit		2876
Examiner Name		Le, Thien Minh
Total Number of Pages in This Submission	25	Attorney Docket Number 703-006.50.22

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): One check in the amount of \$180, PTO/SB/08A Information Disclosure Statement (14 pgs.), PTO/SB/08B Information Disclosure Statement (4 pgs.), One copy of cited references ON-OO and return mail room postcard.
Remarks The Commissioner is authorized to charge any additional fees to Deposit Account No. 50-0289.		Express Mail Label No. EV561775079US

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Wall Marjama & Bilinski LLP George S. Blasiak	Reg. No. 37,283
Signature	<i>George S. Blasiak</i>	
Date	July 11, 2005	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as express mail (Express Mail Label No. EV561775079US) in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: July 11, 2005		
Typed or printed name	Jeannine C. Schirripa	
Signature	<i>Jeannine C. Schirripa</i>	Date July 11, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/2004.

Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL
For FY 2005****Complete if Known**

Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Examiner Name	Le, Thien Minh
Art Unit	2876
Attorney Docket No.	703-006.50.22

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT \$180.00

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METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 50-0289 Deposit Account Name: Wall Marjama & Bilinski LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180
Total Claims		
- 20 or HP =	x	=
HP = highest paid number of total claims paid for, if greater than 20		
Indep. Claims		
- 3 or HP =	x	=
HP = highest number of independent claims paid for, if greater than 3		

3. APPLICATION SIZE FEE

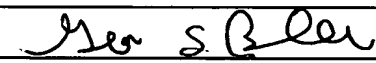
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a) (1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEES

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other: Information Disclosure Statement Fee	\$180.00

SUBMITTED BY

Signature		Registration No. 37,283 (Attorney/Agent)	Telephone 315-425-9000
Name (Print/Type)	George S. Blasiak		Date July 11, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT
Express Mail Label No.: EV561775079US
Attorney Docket No.: 703-006.50.22

On July 11, 2005

WALL MARJAMA & BILINSKI LLP

By: Jeannine C. Schirripa
Jeannine C. Schirripa



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Andrew Longacre, Jr., et al.

Application No.: 10/801,937

Filed: March 16, 2004

For: Optical Reader Processing Two-Dimensional Electronic Representations

Examiner: Le, Thien Minh

Art Unit: 2876

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Mail Stop: Amendment
Commissioner of Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached forms PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of references ON-OO are enclosed. Copies of references JS-KC, MX-NE, NU-OA and the attachments of references AC, AI and AJ are provided in parent application 09/385,597 filed August 30, 1999, which forms part of the record of the present application. See 37 C.F.R. §1.98(d); MPEP §609. References NF-OA are references of record in commonly assigned U.S. Patent No. 5,723,853 while references OB-OM are references of record in commonly assigned U.S. Patent No. 5,942,741. References of record in additional applications that are family related to the present application are also submitted herein. The present Information Disclosure Statement is being filed to make additional

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information of record in the present application including references and other information of record in various applications that are family-related to the present application.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the “references cited” on any patent to issue therefrom.

Reference ON is a report summarizing references cited by the applicants or the Examiner in applications of which priority is claimed. Examiners have a duty to consider art references of parent patent applications. *See* 37 C.F.R. §1.98(d); MPEP §609. The Examiner is respectfully requested to initialize the box adjacent to the ON reference listing to indicate that the Examiner has considered the references of record in the applications of which priority is claimed under 35 U.S.C. §120. Applicants also submit reference OO, a report categorizing certain submitted references into various categories. The report attached as reference OO is intended to assist the Examiner in the Examiner’s review of the significant number of references submitted. Applicants will also supply, at the Examiner’s request, a computer accessible file that facilitates computer text searching of U.S. patent references that have been submitted.

As provided for by 37 C.F.R. §1.97(h), no inference should be made that the information and references cited are material to patentability. Also, no inference should be made that a reference is prior art merely because it is included in this statement. Under 37 C.F.R. §1.97(g), the submission of an information disclosure statement should not be considered as representation that a search has been made.

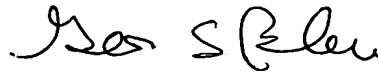
Applicants believe that a fee of \$180.00 is required for submission of this statement.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-0289.

Respectfully submitted,

WALL MARJAMA & BILINSKI LLP

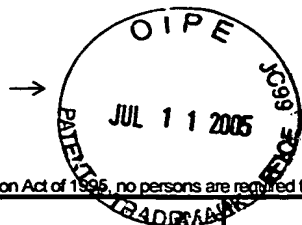
Date: July 11, 2005



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Express mail No. : EV561775079US

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-Patent Application No. 11/073,531. Filed March 7, 2005.	03-07-2005	Longacre et al.	
	AB	US-Patent Application No. 10/227,889. Filed August 26, 2002.	03-06-2003	Longacre et al.	
	AC	US-Patent Application No. 10/328,939. Filed December 23, 2002. (Attached is Office Action dated February 9, 2005.)	08-07-2003	Longacre et al.	
	AD	US-Patent Application No. 10/778,466. Filed February 13, 2004.	Filed 02-13-2004	Longacre et al.	
	AE	US-Patent Application No. 10/786,808. Filed February 25, 2004.	Filed 02-25-2004	Longacre et al.	
	AF	US-Patent Application No. 10/786,984. Filed February 25, 2004.	Filed 02-25-2004	Longacre et al.	
	AG	US-Patent Application No. 10/793,423. Filed March 4, 2004.	Filed 03-04-2004	Longacre et al.	
	AH	US-Patent Application No. 10/800,136. Filed March 12, 2004.	Filed 03-12-2004	Longacre et al.	
	AI	US-Patent Application No. 10/801,937. Filed March 16, 2004. (Attached is Office Action dated April 15, 2005)	Filed 03-16-2004	Longacre et al.	
	AJ	US-Patent Application No. 10/802,539. Filed March 16, 2004. (Attached is Office Action dated April 21, 2005)	Filed 03-16-2004	Longacre et al.	
	AK	US-Patent Application No. 10/887,207. Filed July 8, 2004.	Filed 07-08-2004	Longacre	
	AL	US-Patent Application No. 10/895,536. Filed July 23, 2004.	Filed 07-23-2004	Longacre et al.	
	AM	US-4,654,514	03-31-1987	Watson et al.	
	AN	US-4,721,849	01-26-1988	Davis et al.	
	AO	US-4,731,525	03-15-1988	Hice, John R.	
	AP	US-4,761,544	08-02-1988	Poland, McKee D.	
	AQ	US-4,825,058	04-25-1989	Poland, McKee D.	
	AR	US-4,864,302	09-05-1989	Bowers, Davis L.	
	AS	US-4,868,375	09-19-1989	Blanford, Denis M.	

Examiner
Signature

Date
Considered

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 4

Complete if Known

Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AT	US-5,120,943	06-09-1992	Benz, Reiner	
	AU	US-5,185,514	02-09-1993	Wike et al.	
	AV	US-5,274,567	12-28-1993	Kallin et al.	
	AW	US-5,308,966	05-03-1994	Danielson et al.	
	AX	US-5,428,212	06-27-1995	Tani et al.	
	AY	US-5,442,164	08-15-1995	Adachi, Yutaka	
	AZ	US-5,463,214	10-31-1995	Longacre et al.	
	BA	US-5,473,148	12-05-1995	Tanaka et al.	
	BB	US-5,485,369	01-16-1996	Nicholls et al.	
	BC	US-5,488,223	01-30-1996	Austin et al.	
	BD	US-5,491,471	02-13-1996	Stobbe, Anatoli	
	BE	US-5,510,606	04-23-1996	Worthington et al.	
	BF	US-5,539,193	07-23-1996	Gibbs et al.	
	BG	US-5,550,366	08-27-1996	Roustaei, Alexander	
	BH	US-5,594,230	01-14-1997	Waite et al.	
	BI	US-5,600,119	02-04-1997	Dvorkis et al.	
	BJ	US-5,619,192	04-08-1997	Ayala, Raymond F.	
	BK	US-5,621,203	04-15-1997	Swartz et al.	
	BL	US-5,635,697	06-03-1997	Shellhammer et al.	
	BM	US-5,640,193	06-17-1997	Wellner, Pierre David	
	BN	US-5,672,858	09-30-1997	Li et al.	
	BO	US-5,726,435	03-10-1998	Hara et al.	
	BP	US-5,739,518	04-14-1998	Wang, Ynjiun P.	
	BQ	US-5,756,981	05-26-1998	Roustaei et al.	
	BR	US-5,773,806	06-30-1998	Longacre, Jr., Andrew	
	BS	US-5,805,779	09-08-1998	Christopher et al.	
	BT	US-5,818,528	10-06-1998	Roth et al.	
	BU	US-5,821,523	10-13-1998	Bunte et al.	
	BV	US-5,825,006	10-20-1998	Longacre et al.	
	BW	US-5,834,749	11-10-1998	Durbin, Dennis A.	
	BX	US-5,837,986	11-17-1998	Barile et al.	
	BY	US-5,837,987	11-17-1998	Koenck et al.	
	BZ	US-5,874,722	02-23-1999	Rando et al.	
	CA	US-5,900,613	05-04-1999	Koziol et al.	
	CB	US-5,932,862	08-03-1999	Hussey et al.	
	CC	US-5,965,863	10-12-1999	Parker et al.	

Examiner
SignatureDate
Considered

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 4

Complete if Known

Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	CD	US-5,979,757	11-09-1999	Tracy et al.	
	CE	US-6,011,880	01-04-2000	Tani et al.	
	CF	US-6,015,088	01-18-2000	Parker et al.	
	CG	US-6,064,763	05-16-2000	Maltsev, Pavel A.	
	CH	US-6,070,800	06-06-2000	Fujita et al.	
	CI	US-6,082,619	07-04-2000	Ma et al.	
	CJ	US-6,112,992	09-05-2000	Agabra et al.	
	CK	US-6,129,276	10-10-2000	Jelen et al.	
	CL	US-6,144,848	11-07-2000	Walsh et al.	
	CM	US-6,176,428	01-23-2001	Joseph et al.	
	CN	US-6,176,429	01-23-2001	Reddersen et al.	
	CO	US-6,286,760	09-11-2001	Schmidt et al.	
	CP	US-6,293,466	09-25-2001	Fujita et al.	
	CQ	US-6,325,283	12-04-2001	Chu et al.	
	CR	US-6,377,249	04-23-2002	Mumford, John R.	
	CS	US-6,398,112	06-04-2002	Li et al.	
	CT	US-6,411,199	06-25-2002	Geiszler et al.	
	CU	US-6,412,699	07-02-2002	Russell et al.	
	CV	US-6,424,407	07-23-2002	Kinrot et al.	
	CW	US-6,452,179	09-17-2002	Coates et al.	
	CX	US-6,491,223	12-10-2002	Longacre et al.	
	CY	US-6,505,778	01-14-2003	Reddersen et al.	
	CZ	US-6,508,404	01-21-2003	Hecht, Kurt	
	DA	US-6,527,179	03-04-2003	Itoh et al.	
	DB	US-6,565,003	05-20-2003	Ma, Yue	
	DC	US-6,565,005	05-20-2003	Wilz et al.	
	DD	US-6,606,171	08-12-2003	Renk et al.	
	DE	US-6,672,511	01-06-2004	Shellhammer, Stephen J.	
	DF	US-6,678,412	01-13-2004	Shigekusa et al.	
	DG	US-6,685,095	02-03-2004	Roustaei et al.	
	DH	US-6,698,656	03-02-2004	Parker et al.	
	DI	US-6,708,883	03-23-2004	Krichever, Mark	
	DJ	US-6,722,569	04-20-2004	Ehrhart et al.	
	DK	US-6,741,335	05-25-2004	Kinrot et al.	
	DL	US-6,751,352	06-15-2004	Baharav et al.	
	DM	US-6,761,317	07-13-2004	Knowles et al.	

Examiner
Signature

Date
Considered

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
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Sheet 4 of 4

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Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	DN	US-6,766,954	07-27-2004	Barkan et al.	
	DO	US-6,827,273	12-07-2004	Wilz et al.	
	DP	US-2003/0042311	03-06-2003	Longacre, Andrew et al.	
	DQ	US-2003/0085282	05-08-2003	Parker et al.	
	DR	US-2003/0146283	08-07-2003	Longacre et al.	
	DS	US-2003/0218067	11-27-2003	Parker et al.	
	DT	US-2004/0004128	01-08-2004	Pettinelli et al.	
	DU	US-2004/0256465	12-23-2004	Longacre, Andrew Jr.	
	DV	US-2004/0262393	12-30-2004	Hara, Masahiro et al.	
	DW	US-2004/0262395	12-30-2004	Longacre, Andrew Jr.	
	DX	US-2004/0262396	12-30-2004	Longacre, Andrew Jr.	
	DY	US-2004/0262399	12-30-2004	Longacre, Andrew Jr.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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Sheet 1 of 5

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Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	EA	US-3,582,884	06-08-1971	Shepard	
	EB	US-3,663,762	05-16-1972	Joel, Jr.	
	EC	US-3,684,868	08-15-1972	Christie et al.	
	ED	US-3,723,970	03-27-1973	Stoller	
	EE	US-3,906,166	09-16-1975	Cooper et al.	
	EF	US-4,004,237	01-18-1977	Kratzer	
	EG	US-4,041,391	08-09-1977	Deerkoski	
	EH	US-4,097,847	06-27-1978	Forsen et al.	
	EI	US-4,114,155	09-12-1978	Raab	
	EJ	US-4,164,628	08-14-1979	Ward et al.	
	EK	US-4,210,802	07-01-1980	Sakai	
	EL	US-4,291,410	09-22-1981	Caples et al.	
	EM	US-4,315,245	02-09-1982	Nakahara et al.	
	EN	US-4,435,822	03-06-1984	Spencer et al.	
	EO	US-4,445,118	04-24-1984	Taylor et al.	
	EP	US-4,488,678	12-18-1984	Hara et al.	
	EQ	US-4,488,679	12-18-1984	Bockholt et al.	
	ER	US-4,500,776	02-19-1985	Laser	
	ES	US-4,538,060	08-27-1985	Sakai et al.	
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	EV	US-4,610,359	09-09-1986	Muller	
	EW	US-4,628,532	12-09-1986	Stone et al.	
	EX	US-4,636,624	01-13-1987	Ishida et al.	
	EY	US-4,639,932	01-27-1987	Schiff	
	EZ	US-4,644,523	02-17-1987	Horwitz	
	FA	US-4,646,353	02-24-1987	Tenge et al.	
	FB	US-4,653,076	03-24-1987	Jerim et al.	
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	FF	US-4,570,057	07-12-1986	Chadima, Jr. et al.	
	FG	US-4,785,463	11-15-1988	Janc et al.	
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	FI	US-4,807,256	02-21-1989	Holmes et al.	
	FJ	US-4,818,856	04-04-1989	Matsushima et al.	

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Application Number

10/801,937

Filing Date

March 16, 2004

First Named Inventor

Andrew Longacre, Jr.

Art Unit

2876

Examiner Name

Le, Thien Minh

Attorney Docket Number

703-006.50.22

U.S. PATENT DOCUMENTS

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		Number Kind Code ² (if known)			
	FK	US-4,841,544	06-20-1989	Nuytkens	
	FL	US-4,877,949	10-31-1998	Danielson et al.	
	FM	US-4,901,073	02-13-1990	Kibrick	
	FN	US-4,908,500	03-13-1990	Baumberger	
	FO	US-4,942,474	07-17-1990	Akimoto et al.	
	FP	US-5,019,699	05-28-1991	Koenck	
	FQ	US-5,113,445	05-12-1992	Wang	
	FR	US-5,138,140	08-11-1992	Siemiatkowski et al.	
	FS	US-5,153,421	10-06-1992	Tandon et al.	
	FT	US-5,212,777	05-18-1993	Gove et al.	
	FU	US-5,245,695	09-14-1993	Basehore	
	FV	US-5,262,871	11-16-1993	Wilder et al.	
	FW	US-5,286,960	02-15-1994	Longacre, Jr. et al.	
	FX	US-5,294,783	03-15-1994	Hammond, Jr. et al.	
	FY	US-5,311,001	05-10-1994	Joseph et al.	
	FZ	US-5,319,185	06-07-1994	Obata	
	GA	US-5,331,176	06-19-1994	Sant' Anselmo et al.	
	GB	US-5,345,266	09-06-1994	Denyer	
	GC	US-5,354,977	10-11-1994	Roustaei	
	GD	US-5,378,883	01-03-1995	Batterman et al.	
	GE	US-5,392,447	02-21-1995	Schlack et al.	
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	GS	US-5,572,006	11-05-1996	Wang et al.	
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Sheet 3 of 5

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Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

U.S. PATENT DOCUMENTS

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	HC	US-5,723,853	03-03-1998	Longacre, Jr. et al.	
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Sheet 4 of 5

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Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

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		Number Kind Code ² (if known)			
	IE	US-6,161,760	12-19-2000	Marrs et al.	
	IF	US-6,170,749 B1	01-09-2001	Goren et al.	
	IG	US-6,176,429	01-23-2001	Reddersen et al.	
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	IJ	US-6,264,105	07-24-2001	Longacre, Jr. et al.	
	IK	US-6,276,605	08-21-2001	Olmstead et al.	
	IL	US-6,329,139 B1	12-11-2001	Nova et al.	
	IM	US-6,347,163 B2	02-12-2002	Roustaei	
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	IS	US-6,512,218	01-28-2003	Canini et al.	
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	IX	US-6,585,159 B1	07-01-2003	Meier et al.	
	IY	US-6,606,171 B1	08-12-2003	Renk et al.	
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	JG	US-6,739,511 B2	05-25-2005	Tsikos et al.	
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	JK	US-6,837,432 B2	01-04-2005	Tsikos et al.	
	JL	US-6,854,649 B2	2-15-2005	Worner et al.	
	JM	US-6,857,570 B2	02-22-2005	Tsikos et al.	
	JN	US-6,858,159	02-22-2005	Lyons	

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Sheet 5 of 5

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First Named Inventor	Andrew Longacre, Jr.
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	JO	US-6,863,216	03-08-2005	Tsikos et al.	
	JP	US-2002/0158127	10-31-2002	Hori et al.	
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	JR	US-2005/0103851	05-19-2005	Zhu et al.	

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	JS	EP 0 449 634 A2	10/2/1991	OMNIPLANAR, INC.		<input type="checkbox"/>
	JT	WO 93/14458	7/22/1993	EASTMAN KODAK COMPANY		<input type="checkbox"/>
	JU	WO 93/17397	9/2/1993	Roustaei		<input type="checkbox"/>
	JV	WO 95/32580	11/30/1995	POLAROID CORPORATION		<input type="checkbox"/>
	JW	JP 2000-092317 A	3/31/2000	FUJI PHOTO FILM CO., LTD.		
	JX	WO 93/18478	9/16/1993	Norand Corp.		
	JY	WO 97/08647	3/6/1997	PSC, Inc.		

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First Named Inventor	Andrew Longacre, Jr.
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Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	JZ	JAKL, EDWARD A., "Why CMOS Image Sensors are Poised to Surpass CCDs," International IC '99, Conference Proceedings, 1999, pp. 64-71.	
	KA	TIAN, Hui et al., "Analysis of 1/f Noise in Switched MOSFET Circuits," Information Systems Laboratory, Electrical Engineering Department, Stanford University, Stanford, California 94305, April 24, 2001, 21 pp.	
	KB	EL GAMAL, Professor A., Lecture Notes 1, 2, 4, 5, 6, 7, 10 and Handout #3 and #28, "Image Sensors and Digital Cameras" for EE 392B, Spring 2001.	
	KC	FOSSUM, ERIC R., CMOS Active Pixel Image Sensors, Nuclear Instruments and Methods in Physics Research A 395 (1997) 291-297.	

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Sheet 1 of 3

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Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	KD	US-4,794,239	12-27-1988	Allias	
	KE	US-4,874,936	10-17-1989	Chandler et al.	
	KF	US-4,896,029	01-23-1990	Chandler et al.	
	KG	US-4,998,010	03-05-1991	Chandler et al.	
	KH	US-5,153,418	10-06-1992	Batterman et al.	
	KI	US-5,180,904	01-19-1993	Shepard et al.	
	KJ	US-5,189,292	02-23-1993	Batterman et al.	
	KK	US-5,223,701	06-29-1993	Batterman et al.	
	KL	US-5,235,167	08-10-1993	Dvorkis et al.	
	KM	US-5,250,792	10-05-1993	Swartz et al.	
	KN	US-5,266,787	11-30-1993	Mazz et al.	
	KO	US-5,272,323	12-21-1993	Martino	
	KP	US-5,276,400	01-04-1994	Denyer et al.	
	KQ	US-5,278,398	01-11-1994	Pavlidis et al.	
	KR	US-5,304,786	04-19-1994	Pavlidis et al.	
	KS	US-5,304,787	04-19-1994	Wang	
	KT	US-5,324,924	06-28-1994	Cai et al.	
	KU	US-5,343,028	08-30-1994	Figarella et al.	
	KV	US-5,345,266	09-06-1994	Denyer	
	KW	US-5,365,048	11-15-1994	Komiya et al.	
	KX	US-5,347,114	09-13-1994	Tanaka	
	KY	US-5,378,881	01-03-1995	Adachi	
	KZ	US-5,412,197	05-02-1995	Smith	
	LA	US-5,418,862	05-23-1995	Zheng et al.	
	LB	US-5,422,470	06-06-1995	Kubo	
	LC	US-5,422,744	06-06-1995	Katz et al.	
	LD	US-5,428,211	06-27-1995	Zheng et al.	
	LE	US-5,430,283	07-04-1995	Tanaka	
	LF	US-5,438,636	08-01-1995	Surka	
	LG	US-5,477,042	12-19-1995	Wang	
	LH	US-5,478,999	12-26-1995	Figarella et al.	
	LI	US-5,487,115	01-23-1996	Surka	
	LJ	US-5,489,769	02-06-1996	Kubo	
	LK	US-5,504,524	04-02-1996	Lu et al.	
	LL	US-5,524,068	06-04-1996	Kacandes et al.	
	LM	US-5,525,787	06-11-1996	Kubo	

Examiner Signature	Date Considered
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Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

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		Number Kind Code ² (if known)			
	LN	US-5,565,669	10-15-1996	Liu	
	LO	US-5,591,955	01-07-1997	Laser	
	LP	US-5,612,524	03-18-1997	Sant'Anselmo et al.	
	LQ	US-5,621,203	04-15-1997	Swartz et al.	
	LR	US-5,637,849	06-10-1997	Wang et al.	
	LS	US-5,659,431	08-19-1997	Ackley	
	LT	US-5,691,773	11-25-1997	Wang et al.	
	LU	US-5,698,833	12-16-1997	Skinger	
	LV	US-5,702,059	12-30-1997	Chu et al.	
	LW	US-5,710,417	01-20-1998	Joseph et al.	
	LX	US-5,714,745	02-03-1998	Ju et al.	
	LY	US-5,717,195	02-10-1998	Feng et al.	
	LZ	US-5,773,810	06-30-1998	Hussey et al.	
	MA	US-5,783,811	07-21-1998	Feng et al.	
	MB	US-5,784,102	7-21-1998	Hussey et al.	
	MC	US-5,814,801	09-29-1998	Wang et al.	
	MD	US-5,818,023	10-06-1998	Meyerson et al.	
	ME	US-5,867,594	02-02-1999	Cymbalski	
	MF	US-5,867,595	02-02-1999	Cymbalski	
	MG	US-5,917,945	06-29-1999	Cymbalski	
	MH	US-5,926,214	07-20-1999	Denyer et al.	
	MI	US-5,942,741	08-24-1999	Longacre, Jr. et al.	
	MJ	US-5,979,763	09-09-1999	Wang et al.	
	MK	US-6,019,286	02-01-2000	Li et al.	
	ML	US-6,053,407	04-25-2000	Wang et al.	
	MM	US-6,067,113	05-23-2000	Hurwitz et al.	
	MN	US-6,129,278	10-10-2000	Wang et al.	
	MO	US-6,014,501	01-11-2000	Fukuda et al.	
	MP	US-6,179,208 B1	01-30-2001	Feng	
	MQ	US-6,264,105 B1	07-24-2001	Longacre, Jr. et al.	
	MR	US-6,331,901 B1	12-18-2001	Fukuda et al.	
	MS	US-6,431,452 B2	08-13-2002	Feng	
	MT	US-6,575,367 B1	06-10-2003	Longacre, Jr.	
	MU	US-6,637,658 B2	10-28-2003	Barber et al.	
	MV	US-6,655,595 B1	12-02-2003	Longacre, Jr. et al.	
	MW	US-6,814,290 B2	11-09-2004	Longacre	

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Application Number	10/801,937
Filing Date	March 16, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Le, Thien Minh
Attorney Docket Number	703-006.50.22

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ² (if known)				
	MX	JP	07-049922 Full text JP reference with Full English Translation		02-21-1995			<input type="checkbox"/>
	MY	JP	07-065104 Full text JP reference and translation provided in corresponding US Patent 5,473,148 attached		03-10-1995			<input type="checkbox"/>
								<input type="checkbox"/>
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Attorney Docket Number	703-006.50.22

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	MZ	JP Patent Application 8-159625 Translated Japanese Office Action in the English language, April 18, 2005.	
	NA	ROGER C. PALMER, The Bar Code Book, Second Addition, June, 1991, Helmers Publishing, Inc., Peterborough, New Hampshire, pgs. 11-108.	
	NB	VLSI VISION LTD., High Resolution EIA/CCIR Monochrome Monolithic Camera Specification, VVL-1060, April 1994, pgs. 1-23.	
	NC	VLSI VISION LTD., Serial Interface Specification, VVL-1060, April 1994, pgs. 1-9.	
	ND	VLSI VISION LTD., Engineering Evaluation Kit Specification, VVL-1070, September 27, 1994, pgs. 1-5.	
	NE	MARSHALL ELECTRONICS, Monochrome Monolithic Image Sensor with Analogue and Digital Outputs Specification, VVL-1070, pgs. 1-24, believed to be published prior to April 1995.	

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		Number Kind Code ² (if known)			
	NF	US-4,075,461	02-1978	Wu et al.	
	NG	US-4,251,798	02-1981	Swartz et al.	
	NH	US-4,289,957	09-1981	Neyroud et al.	
	NI	US-4,782,220	11-1988	Shuren	
	NJ	US-4,825,057	04-1989	Swartz et al.	
	NK	US-4,835,713	05-1989	Pastor	
	NL	US-4,893,333	01-1990	Baran et al.	
	NM	US-4,973,829	11-1990	Ishida et al.	
	NN	US-5,159,635	10-1992	Wang	
	NO	US-5,196,686	03-1993	Leister	
	NP	US-5,208,449	05-1993	Eastman et al.	
	NQ	US-5,241,164	08-1993	Pavlidis et al.	
	NR	US-5,243,655	09-1993	Wang	
	NS	US-5,247,166	09-1993	Gannon et al.	
	NT	US-5,291,564	03-1994	Shah et al.	

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	NU	EP	0 385 478 A2		09-05-1990	Symbol Technologies, Inc.		<input type="checkbox"/>
	NV	EP	0 385 478 A3		09-05-1990	Symbol Technologies, Inc.		<input type="checkbox"/>
	NW	EP	0 561 334 A2		09-22-1993	Symbol Technologies, Inc.		<input type="checkbox"/>
	NX	EP	0 571 892 A2		12-01-1993	United Parcel Service of America, Inc.		<input type="checkbox"/>
	NY	EP	0 584 559 A2		03-02-1994	United Parcel Service of America, Inc.		

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Attorney Docket Number	703-006.50.22

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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	NZ	WELCH ALLYN, Hand Held CCD Scanner/Decoder, SCANTEAM 3000 Instant Interface Series, July 1994, 2pgs.	
	OA	SYMBOL EXPRESS, 1995 Product Catalog, January 1995, 4pgs.	

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	OB	US-5,241,164	08-31-1993	Pavidis et al.	
	OC	US-5,262,626	11-16-1993	Goren et al.	
	OD	US-5,278,398	01-11-1994	Pavidis	
	OE	US-5,466,921	11-14-1995	Lapinski et al.	
	OF	US-5,481,103	01-02-1996	Wang	
	OG	US-5,493,108	02-20-1996	Cherry et al.	
	OH	US-5,495,097	02-27-1996	Katz et al.	
	OI	US-5,510,604	04-23-1996	England	
	OJ	US-5,548,107	08-20-1996	Lapinski et al.	
	OK	US-5,548,108	08-20-1996	Moldskred et al.	
	OL	US-5,686,715	11-11-1997	Watanabe et al.	
	OM	US-5,821,519	10-13-1998	Lee et al.	

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	ON	REPORT BY APPLICANTS, Report summarizing references of record in applications of which priority is claimed (Application No. 09/385,597, Application No. 08/839,020 and Application No. 08/697,913), June 2005	
	OO	REPORT BY APPLICANTS, Report categorizing references submitted by applicants, June, 2005.	

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